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N418 N420 N427 N491 N494 N507 N509 N579 N586
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(56) Documents Cited by ISA

EP 0591963 A1 EP 0390755 A2 AU 860064285 B
FR 002471740 A1 US 5137393 A US 4404516 A

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(54) Improvements relating to geosynthetics

(57) The invention relates to a novel geosynthetic which in a first embodiment comprises a composite geosynthetic comprising reinforcement material embedded in a drainage material; and in the second embodiment of the invention there is provided an electrically conducting geosynthetic which may be used in isolation or which may, alternatively, form a part of the composite geosynthetic.

A proposed Geocomposite drainage and reinforcement material

Geogrid located inside a thick
non-woven geotextile (providing both
drainage and reinforcement)



A thick non-woven geotextile
(i.e. 4 - 8 mm thickness)

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